

PART I - GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
Krishi Vigyan Kendra, Regional Agricultural Research Station, P.O.Box No.18, BIJAPUR-586101	08352- 230758	08352- 230758	kvkbijapur@gmail.com	www.kvkbijapur.org

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences, Krishi Nagar, Dharwad-05	0836- 2447494	0836- 2748199	deuasd@rediffmail.com	www.uasd.edu.in

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.S.Y.Wali Programme Co-ordinator KVK, Bijapur	08352 - 263283	9448495346	kvkbijapur@gmail.com

1.4. Year of sanction: 2004 (As Regular KVK)

1.5. Staff Position (as 31st March 2013)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification	Pay Scale	Basic pay	Date of joining KVK	Per / Temp	Category
1	Programme Coordinator	Dr. S. Y. Wali	Programme Co-ordinator	M	Agronomy	Ph.D	37400-67000	50720	31.05.10	Per.	SC
2	SMS	Dr. I.M.Mannikeri	SMS (Horti.)	M	Horticulture	Ph.D	37400-67000	58180	10.06.11	Per.	GM
3	SMS	Dr.S.S. Karabhantanal	SMS (Ag.Entomology)	M	Ag. Entomology	M.Sc	15600-39100	30170	20.01.06	Per.	GM
4	SMS	Dr.S.M.Vastrad	SMS (Pl.Pathology))	M	Pl.Pathology	M.Sc	15600-39100	25810	01.03.06	Per.	GM
5	SMS	Dr.Prema B. Patil	SMS (H.Science)	F	Home Science	Ph.D	15600-39100	26600	22.06.07	Per.	GM
6	SMS	Vacant	-	-	-	-	-	-	-	-	-
7	SMS	Dr. Sunilkumar Nooli	SMS(Agronomy)	M	Agronomy	M.Sc	15600-39100	22250	21.11.11	Per.	GM
8	Programme Assistant	Vacant	-	-	Soil Science	-	-	-	-	Per.	-
9	Programme Assistant	Mr.S.C.Rathod	Prog.Asst.. (Computer.)	M	Computer	BCA PGDCA	9300-38400	15210	16.12.08	Per.	SC
10	Programme Assistant	Mr.B.C.Kolhar	Prog.Asst. (FM.)	M	Farm Manager	M.Sc	9300-38400	15210	10.12.08	Per.	OBC
11	Assistant	Mr.S.E.Badiger	Assistant	M	Assistant	MA	20000-36300	24600	01.04.04	Per.	OBC
12	Jr. Stenographer	Mrs.A.S.Hiremath	Typist	F	Typist	B.Com	16000-29600	17200	05.10.09	Per.	GM
13	Driver	Mr.Yariswamy	LVD	M	Driver (Jeep)	7 th Pass	14550-26700	21000	23.05.05	Per.	SC
14	Driver	Mr.A.R.Mutaliksirdesai	Driver	M	Driver (Tractor)	PUC	11600-21000	12250	17.11.09	Per.	GM
15	Supporting staff	Mr.Prakash Rathod	Cook cum care taker	M	Cook-cum care taker	BA	10400-16400	11400	16.07.07	Per.	SC
16	Supporting staff	Vacant	-	-	-	-	-	-	-	-	-

1.6. Total land with KVK (in ha)**: 20 ha**

S. No.	Item	Area (ha)
1	Under Buildings	0.1 ha
2.	Under Demonstration Units	-
3.	Under Crops	15 ha
4.	Orchard/Agro-forestry	02 ha
5.	Others	2.9 ha

1.7. Infrastructural Development:**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	April-2011	550	5500000	-	-	Completed
2.	Farmers Hostel							
3.	Staff Quarters	-	-	-	-	-	-	-
4.	Demonstration Units	-	-	-	-	-	-	-
5	Fencing							
6	Rain Water harvesting system	ICAR	April - 2008	3165 cum	860726	-	-	Constructed
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	2003	3,24,238	197.55 hrs	Good
TOYOTA Qualis	2004	4,64,034	234188	Good
Hero Honda KA-25 EC-7517	2009	49,500	35264	Good
Hero Honda KA-25 EC-7527	2009	49,500	40248	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Godrej copier	2001	80,234	Kept for Auction
Stabilizer	2001	6,000	Good
Over-head Projector	2001	23,000	Good
Kodak DC-3200 (Digital Camera)	2002	17,000	Good
Portable Generator 2000	2003	40,130	Good
Computer with accessories	2003	67,680	Good
2 KV on line Uninterrupted power supply system for 120 mins battery backup time	2003	52,300	Good
Mipro-MVA-101 portable public address system	2003	30,240	Good
Hakims Deflex	2003	10,115	Good
Handy image presenter (Flex Vision TFV-300)	2003	53,760	Good
Tvs msp 395xl classic 136, col,24 pin 300cp)	2003	12,800	Good
Hp Desk Jet A3 Size	2003	15999	Good
Hp office jet 4110, All in one	2003	9500	Good
LG CD writer	2003	2750	Good
Single Furrow reversible plough	2003	20,250	Good
Nine fine tiller with seeding attachment	2003	26,150	Good
Three in one leveler rangale and cultivator	2003	14,500	Good
PH. Meter	2005	8,900	Good
Electrical conductivity Bridge	2005	9,790	Good
Flame Photometer	2005	32,040	Good
Visible spectro photo meter	2005	40,050	Good
Electronic automatic KEL Plus digestion system and Nitrogen distillation system	2005	1,42,844	Good
Shaking machine	2005	47,025	Good
Electronic weighing machine	2005	57,000	Good
Physical balance	2005	10,890	Good
Hot air oven	2005	16,471	Good
Hot plate	2005	2,912	Good
Grinder	2005	15,435	Good
Water distillation unit	2005	62,444	Good
Refrigerator	2005	12,285	Good
LCD with Computer	2006	96404	Good
Handy camera	2006	18450	Good
Laser guided land leveller	2011	3,89,000	Good
Generator (7.5 KVA)	2011	92,000	Good

1.8. Details SAC meeting conducted in 2011-12

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	1.8.2012	45	-	Contact address of Agri implements should be in Kannada	Contact addresses of Dealers of Agriculture implements have been translated in Kannada and displayed in KVK website.
				Number of soil & water sample testing should be increased	Number of soil and water samples for analysis have been increased. (from August, 2013 to Feb-2013) Soil Sample-462 Water Sample-126
				Photos to be presented with date	Photos along with date have been taken and will be presented.
				Supply of biodiesel plants through IFS	Bio-fuel saplings of pongamia have been distributed to the beneficiaries of IFS project.
				Drudgery reducing chaff cutter to be identified	Improved chaff cutter for small farmers has been identified and proposed under frontline demonstrations for the year 2013-14. Its cost is Rs.8,000/-
				Establishment of fodder bank at KVK, Bijapur	Proposal has been submitted to The Commissioner Department of Animal Husbandry and Veterinary Services Govt. of Karnataka Bangalore, Fodder banks have been established in farmers fields
				Introduce customize spraying in pomegranate	Farmers themselves are carrying out spraying activities for pomegranate. Hence, instead of pomegranate, redgram has been selected for spraying activities on rent basis.

				FLD's to be conducted through integrated approach	Frontline demonstrations have been carried out through integrated approach.
				Develop market linkage to the value added products	Awareness and training programmes have been conducted on value addition to sorghum and bajra. Value added products have been prepared and marketed in Krishimela held at UAS, Dharwad and AC, Bijapur. An exhibition on value added products by successful entrepreneurs of Bijapur was also organized in the premises of AC, Bijapur.
				Establishment of Poultry goat demonstration unit by utilizing existing infrastructure developed under RKVY project.	Poultry unit has been established. Goat unit will be established shortly
2	05.03.2013	45	-	Programmes on value addition to be conducted for farmers.	Programmes on value addition will be conducted for farmers.
				Technology on planting method of sugarcane saplings to be popularized among farmers. Introduction of new varieties of sugarcane developed at Sankeshwar centre to farmers.	New varieties of sugarcane developed at Sankeshwar centre will be popularized among the farmers
				Awareness programmes on improving soil fertility and proper utilization of rain water to be conducted for farmers. Innovative farmers meet to be conducted.	Training programmes have been planned in the month of May-2013 for farmers of Five talukas under ATMA
				Income generating activities for farmers related to agriculture such as goat rearing,	Trainings have been planned on income generating activities

				poultry, dairy etc. should be given priority.	
				Information to be given to AIR on new technologies that are useful to farmers.	Information is being given
				Due to excessive use of water, farmers of Indi and Sindagi are facing the problems of land salinity. Hence proper training related to soil fertility to be given to farmers.	Training programmes have been planned in the month of May-2013 for farmers of Indi & Sindagi talukas under ATMA
				Field days to be conducted without fail for all front line demonstrations. Further, the beneficiaries of the demonstrations should share their knowledge with other farmers. Farmers convention to be conducted.	Field days for all the FLD's will be Organized
				Lessons / lectures conducted during FFS programme to be shared with AIR and Dooradarshan.	AIR and Dooradarshan representative will be invited for FFS programmes
				Programmes on control of bacterial blight disease to be conducted in collaboration with Dr.V.I.Benagi.	Programmes on control of bacterial blight disease will be conducted with involvement of Dr.V.I.Benagi.Dean, AC, Hanumanmatti.
				Awareness programme on benefits of backyard poultry to be conducted for farmers.	Awareness programme will be conducted.
				Drudgery reducing equipment such as chaff cutter to be popularized among farmers.	Will be popularized
				More programmes on moisture conservation technologies, labour saving technologies and new innovative technologies to be conducted.	Training programmes have been planed in the month of May-2013 for farmers of Five talukas under ATMA

				Measures to be taken towards establishment of fodder bank.	It will be established ensuing kharif season
				Proposal of ten lakhs submitted to the University regarding establishment of custom hiring centre.	Proposal will be submitted
				Programmes on establishment of kitchen garden in every family and nutrient budgeting to be conducted.	It will be established ensuing kharif season in the KVK farm.
				KVK news letter to be published regularly.	KVK news letter will be published regularly
				Fish rearing (Aquaculture) to be started in the farm pond of KVK in collaboration with Veterinary University.	It will be established ensuing kharif season in the KVK farm.
				KVK should help in conducting awareness programme on vaccination for mouth and foot disease in animals.	Vaccination programmes will be conducted

PART II - DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	<p>The Kharif crops are mainly grown in shallow eroded black soils (chalka soils), shallow light soils and sandy loams. On account of their low moisture retentive capacity, better infiltration rate, these soils get moistened with early rains in the month of June. The important kharif crops grown are bajra, greengram, groundnut and sunflower. Besides these main crops, pigeon pea, horsegram and sesamum are the other crops grown. Common mixed cropping systems in the region are bajra+redgram and groundnut +redgram. Minor pulses like blackgram and cowpea are also grown as mixed crops along with the above main crops, mainly in talukas which have shallow black or red sandy loam soils. The monsoon (Kharif) cropping situation covers to an extent of 25-30% of the total net cropped areas.</p> <p>If favorable early kharif monsoon rains are received the medium black soils are put under double cropping. greengram, groundnut and sunflower are grown in the kharif season followed by sorghum, safflower and bengalgram in rabi season, Such double cropping situation occurs once in 3-4 years.</p> <p>In this region, rabi (post- monsoon) crops are predominately grown, covering about 56 percent of the total sown area due occurrence of vertisols and assured rainfall received by North East monsoon in the months of September and October. The important rabi crops grown are rabi sorghum, sunflower, bengalgram and wheat. Under well irrigation, where water supply is assured, generally fruit crops like banana, grape, pomegranate and lime are grown extensively in Bijapur.</p> <p>In canal irrigated command areas, double cropping is in vogue. In black soils, Bt. cotton, maize, sunflower and pulses are grown in the kharif season followed by sorghum, bengalgram, wheat and sunflower in rabi/summer. In irrigated red soils, hybrid cotton, groundnut, maize and pulses are grown in kharif season followed by sunflower, maize, wheat and groundnut.</p>

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1	Rainfall	Bijapur district is characterized by the lowest rainfall in Karnataka state with an average rainfall of 579.0 mm. The district comprises five talukas namely Basavana Bagewadi, Bijapur, Muddebihal, Indi and Sindagi. The five talukas receive rainfall between 565 to 590 mm. About 60 per cent of the annual rainfall is received in the normal monsoon season (June-September), 14 per cent in the pre monsoon (April-May) and about 23 per cent in the post monsoon months (October-November) generally the remaining months are dry.
2	Temperature	The mean monthly maximum temperature varies from 29.3 °C (December) to a maximum of 39.0 °C (May). The mean monthly minimum temperatures are lowest (15.5 °C) during January, which increases gradually to maximum of about 23.3 °C (May)
3	Relative Humidity	The moisture content of the air in the district varies from about 35 per cent during February, March and April to a maximum of about 70 per cent in July, August and September.
4	Wind velocity	The district is characterized by high wind velocity especially during monsoon months. The wind speed varies between 3.6 KMPH (December) to 13.2 KMPH (July)

Agro ecological situation

S. No	Agro ecological situation	Characteristics
1	Rainfed cropping in Monsoon (Kharif)	Soils are shallow black(chalka) shallow light soil and red sandy loams because of better infiltration rate they get moistened with early rain in the month of June-July sufficient to take up sowing of kharif crops. Due to low water holding capacity of these soils and higher evaporative demand due to very high wind velocity during July and August month result in poor yields Tqs: B. Bagewadi, Indi, Sindgi and Bijapur Crops: Bajra, greengram, redgram, sunflower and groundnut
2	Rainfed cropping in Monsoon (Rabi)	Deep black soils with more than 60 cm depth, the clay content of these soils is around 60% and hence very low infiltration rate

		<p>Available water holding capacity of these soils is around 6 cm to 30cm. The crops grown in the post monsoon season have to mature on the residual soil moisture only.</p> <p>Tqs: B. Bagewadi, Muddebihal, Sindgi and Bijapur</p> <p>Crops: Rabi sorghum, bengalgram and sunflower</p>
3	Rainfed in both monsoon and post monsoon	<p>Soils are medium deep black, fine red clay loam, red and black mixed soils. These soils have around 30-50 % clay content with Infiltration rate and fairly high water holding capacity. Poor investment capacity of the farmers in dry areas and lack of suitable non-cash inputs.</p> <p>Tqs: B. Bagewadi, Indi, Sindgi, Muddebihal and Bijapur</p> <p>Crops: Bajra, greengram, redgram, sunflower and groundnut</p>
4	Medium deep black soil with kharif irrigation	<p>Tqs: B. Bagewadi</p> <p>Crops: Onion, maize, cotton and redgram</p>
5	Red soil and shallow soils with kharif irrigations	<p>Tqs: Indi</p> <p>Crops: Groundnut</p>
6	Medium to deep black soil with rabi irrigation	<p>Tqs: B. Bagewadi, Indi, Sindgi</p> <p>Crops: Wheat and Onion</p>
7	Cropping with biseasonal irrigation	<p>Tqs: Indi and Bijapur</p> <p>Crops: Cotton and redgram</p>
8	Cropping with perennial irrigation	<p>Tqs: Indi, Sindgi and Bijapur</p> <p>Crops: Sugarcane, grape, pomegranate, banana and lime</p>

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Shallow black soil	Shallow black soils are generally noticed in Indi, Sindagi and Bijapur talukas and to some extent in Bagewadi and Muddebihal talukas. The clay content of these soils is around 40 percent with moderate infiltration rate. The available water holding capacity of these varies between 3-4 cm per 30 cm soil depth. These soils generally belong to land capability class between III and IV.	2,62,586
2	Medium black soil	Medium deep black soils occur predominantly in Bagewadi, Bijapur and Sindagi talukas. These soils have clay content around 50 per cent with low to moderate infiltration rate. Generally they belong to land capability class between II and III. The available water holding capacity of these soils is around 5 cm per 30 cm	4,01,737
3	Deep Black soils	Deep black soils predominately occur in Muddebihal, Bijapur and B.Bagewadi talukas, The clay content of these soils is around 60 per cent and hence have very low infiltration rate. In general, these soils fall under land capability class-II. Post – monsoon cropping is most common on these soils. The available water holding capacity of these soils is around 6 cm per 30 cm soil depth.	2,34,113
4	Red loam soils	This type of soil is found in immediate association with black soils and near hillocks. The depth varies from 15 to 100 cm and the clay content is around 30 percent according to topography and parent material from which they are formed and extent of weathering. These soils show moderate to good infiltration rate. The soils are neutral to slightly alkaline in reaction, deficient in nitrogen and phosphorus but contain moderate amount of potassium. The soil can hold about 4 cm of available water per 30 cm soil depth.) The soils generally fall under land capability class-III. Such soils are predominantly found in B.Bagewadi and Indi talukas Such soils are predominantly put under kharif crops and under favorable seasonal conditions double cropping is noticed	48,061
5	Red sandy soils	Red soils are derived from any one of the four parent materials viz. granite, gneiss, quartz or sand stone. The soils originated from granites or gneiss exhibit deep red or brown colour due to the presence of ferric oxide to the extent of 5 to 8 percent with varying degrees of hydration. The depth of soil varies according to topography. Soil depth to an extent of 2.0 m is also noticed. The ph of soil varies from 6.5 to 7.5. The profile is invariably free from lime and contains a few iron concretions scattered throughout the profile. The soils have good drainage and high infiltration rate. They respond well to manuring and irrigation.	20,230

2.4. Area, Production and Productivity of major crops cultivated in the district- 2011-12

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
Crop production				
1	Maize (K)	75996	96242	1569
2	Bajra	65425	28246	479
3	Minor millets	1342	402	300
4	Redgram	189677	31050	314
5	Horsegram (K)	9912	1610	186
6	Horsegram (Rabi)	3260	976	300
7	Greengram	18761	1328	58
8	Cowpea (K)	1213	572	413
9	Cowpea and other pulses(rabi)	840	232	276
10	Groundnut	68491	37391	507
11	Sunflower	59598	26514	234
12	Niger	1091	467	308
13	Sesamum	624	459	428
14	Soyabean	318	222	700
15	Cotton	10524	7636(t)	372
16	Sugarcane (K)	71343	1892149(t)	72(t/ha)
17	Sugarcane(Rabi)	21428	2142800(t)	100 (t/ha)
18	Sugarcane(Summer)	4935	493500(t)	100 (t/ha)
19	Sorghum	190629	59113	850
20	Wheat	63974	76446	999
21	Bengalgram	156892	126428	703
22	Safflower	5868	3393	482
23	Linseed	3209	1190	399
Fruit crops				
1	Mango	246	1157	07(t/ha)
2	Banana	618	64878	23(t/ha)
3	Lime	2787	53256	25(t/ha)
4	Guava	107	237	20(t/ha)
4	Sapota	232	2589	10(t/ha)
5	Pomegranate	1107	17893	7.0(t/ha)
6	Papaya	36	2401	35(t/ha)
7	Ber	150	4500	30(t/ha)
8	Custard Apple	64	448	07(t/ha)
9	Grape	5464	185261	15(t/ha)
10	Fig	28	84	03(t/ha)
11	Other fruit crops	95	380	04(t/ha)
Vegetable crops				
1	Tomato	1181	5730	31.64(t/ha)
2	Brinjal	527	5712	25(t/ha)
3	Beans	62	274	06(t/ha)

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
4	Onion	9756	43391	24(t/ha)
5	Green chilli	1036	7252	07(t/ha)
6	Sweet Potato	105	1260	12(t/ha)
7	Cabbage	06	102	17(t/ha)
8	Cauli flower	08	136	17(t/ha)
9	Lady's finger	352	2464	07(t/ha)
10	Radish	210	21100	10(t/ha)
11	Beet root	05	65	13(t/ha)
12	Carrot	195	4095	21(t/ha)
13	Capsicum	49	441	09(t/ha)
14	Cluster beans	128	1024	08(t/ha)
15	Drum stick	102	1122	11(t/ha)
16	Water melon	23	644	28(t/ha)
17	Methi	195	1950	10(t/ha)
18	Palak	115	1150	10(t/ha)
19	Amaranthus	37	296	08(t/ha)
20	Curry leaves	120	600	05(t/ha)
21	Other leafy vegetables	133	665	05(t/ha)
22	Ash gourd	10	210	21(t/ha)
23	Snake gourd	51	867	17(t/ha)
24	Bitter gourd	86	774	09(t/ha)
25	Ridge gourd	120	960	08(t/ha)
26	Other gourds	66	660	10(t/ha)
27	Other vegetables	126	882	07(t/ha)
Spice crops				
1	Tamarind	240	1200	05(t/ha)
2	Turmeric	61	549	09(t/ha)
3	Garlic	515	6180	12(t/ha)
4	Dry chillies	832	4160	05(t/ha)
5	Coriander	599	2396	04(t/ha)
6	Fenugreek	149	447	03(t/ha)
7	Other spice crops	133	798	06(t/ha)
Plantation crops				
1	Coconut	283	14.72 lakh nuts	0.05 lakh nuts
2	Betelvine	31	620 lakh leaves	20 lakh leaves
3	Oil palm	522	-	-
4	Other garden / plantation crops	123	861	07
Flower crops				
1	Aster	06	03	0.5(t/ha)
2	Crossandra	02	02	1(t/ha)
3	Marigold	152	1520	10(t/ha)
4	Jasmine	63	441	07(t/ha)
5	Chrysanthemum	58	348	06(t/ha)

6	Tuberose	47	150	03(t/ha)
7	Rose (Lakh flowers)	77	77	01(t/ha)
8	Gerbera (Lakh flowers)	22	22	01(t/ha)
9	Other flower crops	62	186	03(t/ha)
Medicinal and Aromatic plants				
1	Medicinal plants	57	171	03(t/ha)
2	Lemon grass	24	168	07(t/ha)
3	Other Aromatic plants	45	135	03(t/ha)

* Please provide latest data from authorized sources. Please quote the source
District statistical information 2011-12

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)	
		Maximum	Minimum	I	II
April-2012	67.5	38	23.1	65	29
May-2012	7.8	39	23.5	81	40
June-2012	26	35.1	22.6	86	57
July-2012	72.4	31.8	22.1	84	57
August-2012	60	31.5	21.4	86	55
September-2012	87.4	31	20.8	88	53
October-2012	179.6	29.9	18.8	82	50
November-2012	24.8	29.3	16.8	84	48
December-2012	0.0	30.4	14.5	80	36
January-2013	4.2	31.6	15.0	69	29
February-2013	8.6	32.8	17.9	65	28
March-2013	1.4	36.3	20.4	52	22

* Please provide latest data from authorized sources. Please quote the source
District statistical information 2011-12

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	1203	1600 tons milk	4.340 lit/day /animal
<i>Indigenous</i>	278582	40,000 tons milk	1.515 lit/ day /animal
Buffalo	191438	59,000 tons milk	1.592 lit/ day /animal
Sheep			
<i>Crossbred</i>			
<i>Indigenous</i>	336015	75 tones meat	18kg mutton /animal
Goats	451980	80 tones meat	16 kg chevon /animal
Pigs			
<i>Crossbred</i>	32	NA	6 kg/ animal
<i>Indigenous</i>	27114	NA	6 kg/ animal
Rabbits	38	NA	
Poultry			
Hens	346372		

<i>Desi</i>	169200	157 lakh eggs	93 eggs/bird
<i>Improved</i>	36400	86 lakh eggs	238 eggs/bird
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
<i>Marine</i>			
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

* Please provide latest data from authorized sources. Please quote the source
District statistical information 2011-12

2.7 District profile has been Updated for 2012-13 Yes / No: Yes

2.8 Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Bijapur	Aheri cluster	Aheri , Ankalagi, Nidoni , Honnalli	2012-13 to 2014-15 (for three years)	Bajra, Maize, Sorghum, Groundnut, Sunflower, Durum wheat, Bengal gram, Grape, lime, pomegranate	Moisture stress, water scarcity, non availability of high yielding varieties in sorghum, Durum wheat, Bengal gram weed infestation in wheat, poor nutrition in groundnut, pest and disease in grape and pomegranate onion, Bengal gram and sunflower	Soil and water conservation practices in dry land areas. Introduction of varieties in sorghum, Durum wheat, bengalgram and sorghum, pest and disease management in grape , pomegranate bengal gram and sunflower , ICM in Maize and wheat
					Livestock (Cattle, Buffalo, Goat, Poultry)	Poor nutrition and diseases in animals	Management of animals for higher productivity, Creation of self employment opportunities.
					Home science	Drudgery and unemployment	Self employment activities and drudgery reduction

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the	Major crops & enterprises	Major problem identified	Identified Thrust Areas
2.	Indi	Hirebevanur cluste	Hirebevnur , Ingalagi,Agarkhed Chickmunnur)	2012-13 to 2014-15 (for three years)	Greengram, Redgram, Bengalgram, Groundnut, Sunflower, Sorghum, Wheat, (irrigated), sugarcane, Onion Turmeric and Banana	Moisture stress, non availability of suitable variety in onion, sorghum, greengram, bengalgram , poor nutrition in redgram and banana, green gram weed infestation in wheat ,pest and diseases in redgram, sunflower wheat and banana, labour problem Low yield and increasing cost of production micronutrient deficiency and weed infestation in sugarcane, low yield in turmeric	Soil and moisture conservation practices, Introduction of high yielding variety in onion, greengram, redgram, sorghum, bengalgram and wheat, Nutrient and disease management in banana, wheat rust weed management sunflower. Disease management Production method in sugarcane. ICM in Maize and wheat, ICM in turmeric
					Live stock	Poor nutrition and disease in animals	Management of animals for higher productivity
					Home science	Drudgery and unemployment	Self employment activities and drudgery reduction

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
3	Sindagi	Kadlewad, cluste	Kadlewad,Chattraki, Nivalkhed	2012-13 to 2014-15 (for three years)	Maize, Sorghum, Wheat, redgram, bengalgram, Sugarcane, Grape and lime	Moisture stress, water scarcity, non availability of high yielding varieties in onion, sorghum, wheat, weed infestation in wheat poor nutrition in groundnut and sugarcane pest and disease in redgram, lime poor flowering, canker and mite	Soil and water conservation practices in dryland areas, Introduction of variety pest and disease management in onion, sorghum, nutrient management in sugarcane and groundnut, pest and disease management in lime and grape. ICM in Maize &wheat , Nutrient management in sugarcane
					Sheep & Goats	Poor nutrition and diseases in animals	Management of animals for higher productivity
					Home science	Drudgery and unemployment,	Self employment activities and drudgery reduction

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
4.	B.Bagewadi	Hunshayal cluste	Karbhantnal, Sanknal and Hunshayal	2012-13 to 2014-15 (for three years)	Bajra, Maize, Sorghum, Wheat, redgram, ground nut bengalgram, Lime, Banana	Moisture stress, water scarcity, non availability of high yielding varieties in onion, sorghum, wheat ,weed infestation in wheat poor nutrition in groundnut ,pest in redgram, pest & disease in lime poor flowering in lime in hasta bahar , Low nutrition in banana	Soil and water conservation practices in dryland areas, Introduction of variety and disease management in onion, sorghum, nutrient management for sugarcane groundnut, pest and disease management in lime ICM in Maize and wheat
					Sheep & Goats	Poor nutrition and diseases in animals	Management of animals for higher productivity
					Home science	Drudgery and unemployment	Self employment activities and drudgery reduction

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
5.	Muddebihal	Basarkhod,cluster	Basarkhod,Handargal and Nagral	2012-13 to 2014-15 (for three years)	Maize, Sorghum, Wheat, Sunflower redgram, bengalgram, Sugarcane	Moisture stress, water scarcity, non availability of high yielding varieties in onion, sorghum, wheat, pest and disease in redgram,	Soil and water conservation practices in dryland areas, Introduction of variety pest and disease management in onion, sorghum, nutrient management in sugarcane and groundnut, Redgram wheat , sunflower, chickpea
					Sheep & Goats	Poor nutrition and pest diseases in animals	Management of animals for higher productivity
					Home science	Drudgery and unemployment,	Self employment activities and drudgery reduction

2.9 Priority thrust areas

S. No	Thrust area
1	Moisture conservation
2	Introduction of new varieties/hybrids and crops
3	Nutrient Management
4	Management of pest and diseases
5	Production of quality produce
6	Management of livestock
7	Fodder and disease management in animals
8	Drudgery reduction
9	Creation of self-employment opportunities

PART III - TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
07	07	80	75	23	18	507	314

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
120	180	5000	7758	20	20	1500	1500

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
84	79	-	-

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
1000 birds	1000 birds	-	-

3.B1. Abstract of interventions undertaken based on thrust areas identified for the district as given in Sl.No.2.7

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
1	2	3	4	5	6	7	8	9	10	11	12	13	No.	Kg
1.	Moisture conservation	Bajra	Moisture stress and low yielding hybrids	-	ICM in Bajra	02	-	01	Group meeting Field day Trainings	0.25	-	-	25	15
2.	Micronutrient management	Maize	Micronutrient management in maize	Stemborer management in maize	Micronutrient management in maize	01	-	01	Group meeting Field day Trainings	-	-	-	-	-
3.	Non availability of HY varieties	Sorghum	Non availability of HY varieties , poor nutrition and unaware of value addition	Introduction of drought tolerant variety (Anuradha)	Introduction of high yielding variety (BJV 44)	01	-	01	Group meeting Field day Trainings	0.30(Anuradha) 0.60(BJV-44)	-	-	35	15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4.	ICM	Wheat	Non availability of HY variety ,weed infestation nutrient deficiency and pest management,	-	Introduction of UAS 304 in Irrigated situation	01	-	-	Group meeting Field day Trainings	15.0	-	-	25	12
5.	Cropping system	Cropping system	Low returns in delayed season	-	Relay cropping of onion-rabi sorghum	01	-	-	Group meeting Field day Trainings	0.20(Arka Bhima)/0.30(M 35-1)	-	-	20	-
6.	ICM	Sunflower	Moisture stress, powdery mildew and BHHC	-	KBSH – 53 with Wider row (120cm) and integrated pest & disease management.	01	-	01	Group meeting Field day Trainings	0.50	-	-	25	-
7.	ICM	Groundnut	Moisture stress poor, nutrition, low yielding varieties leafspot Drudgery	Collar rot management in Groundnut	ICM in summer Groundnut	01	-	01	Group meeting Field day Trainings	6.0	-	-	15	15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8.	Moisture conservation	Greengram	Low yielding varieties, Moisture stress	-	Variety BGS-9 with moisture conservation (SARA method) in green gram and Yellow vein mosaic management				Group meeting Field day Trainings		Vitiated			
9.	ICM	Red gram	Moisture stress, varieties, pod borer, wilt, storage pests	-	Introduction of variety (TS 3R) and IPM in redgram	02	-	01	Group meeting Field day Trainings	0.40	-	-	25	12
10.	ICM	Bengalgram	Non availability of HY varieties, pod borer & wilt Drudgery	-	Introduction of variety (JG-11) with IPM	02	-	01	Group meeting Field day Trainings	6.50	-	-	25	15
11.	ICM	Cotton	Water scarcity and bollworm	-	ICM in Bt Cotton	01	-	-	Group meeting Field day Trainings	-	-	-	25	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
12.	ICM	Sugar cane	Increased seed cost	-	Single eye budded in protrays	02	-	01	Group meeting Field day Trainings	-	8000 seedlings	-	04	-
13.	IDM	Pomegranate	Bacterial blight management Need for production of export quality pomegranate, lack of thorough knowledge about bahar management, problem of harvesting	-	Management of bacterial blight in pomegranate,	03	-	01	Group meeting Field day Trainings	-	-	-	10	10
14.	ICM	Banana	Nutrient deficiency	-	INM and disease management in Banana	-	-	-	-	-	-	-	-	-
15.	ICM	Onion	Lack of awareness about suitable varieties, Pest and disease	Management of bulb rot in onion	Introduction of new variety with Pest and Disease management	01	-	01	Group meeting Field day Trainings	0.20	-	-	20	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16.	ICM	Onion	Lack of awareness about suitable varieties, Pest and disease	Ridge planting in onion	-	01	-	-	Trainings	-	-	-	10	-
17.	IPDM	Lime	Pest and diseases, problem of harvesting	Management of citrus canker	Mite management in lime	01	-	01	Group meeting Field day Trainings	-	-	-	17	10
18.	IPDM	Grape	Mealy bug, stem borer, mite, downy mildew and injury to farmwomen due to hydrogen cyanamide	-	Management of downy mildew in grape	01	-	01	Trainings	-	-	-	10	-
19.	Fodder scarcity	Dairy Animals	Management of livestock and their diseases	-	Establishment of fodder bank	01	-	-	Training				10	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
20.		Poultry	Low productivity in local birds	-	Swarnadhara birds for backyard				Method demonstrations, Group meeting Field day					
21.	Drudgery	Home science	More fuel and time consumption, health problems	Assessment of eco – friendly chulhas	-	02	01	-	Method demonstration	-	-	-	-	-
22.	Drudgery	Home science	More time consumption and pain to tip of fingers	-	Groundnut decorticator	02	01	-	Method demonstration	-	-	-	-	-

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Field day/ Group meeting)
1	2	3	4	5	6	7	8
1.	Assessment of Phule anuradha rabi jowar variety for increasing productivity in shallow soils	MPKVP-Rahuri	Sorghum (Anuradha)	10	-	01	01
2.	Assessment of cypermethrin against stem borer in maize	AIMIP, IARI, New Delhi	Maize	05	-	01	01
3.	Assessment of bio agents and soil amendments for collar rot management in groundnut	NBAII, Bangalore	Groundnut	05	-	01	01
4.	Lime canker management	NRC on citrus Nagapur	Lime	05	-	01	01
5.	Ridge planting in onion with drip irrigation	NRC for Onion and Garlic	Onion	10	-	01	-
6.	Bulb rot management in onion	NRC onion and Garlic	Onion	05	-	01	01
7.	Assessment of fuel efficient eco friendly chulas	Colarado University, USA Selco solar light pvt ltd, Bengaluru Samuchit Enviro Tech Pvt Ltd, Pune	Chulhas	20	-	03	01
8.	ICM in bajra	UAS, Dharwad	Bajra	-	25	02	01
9.	Micronutrient management in maize	UAS, Dharwad	Maize	-	25	01	01
10.	Introduction of new variety BJV-44 (high yielding tolerant to charcoal rot)	AICRP, Sorghum	Sorghum (BJV-44)	-	25	01	01
11.	Popularization of new variety and ICM in wheat	UAS, Dharwad and DWR Karnal	Wheat	-	25	01	01

12.	Onion - rabi sorghum relay cropping	UAS, Dharwad	Onion	-	25	01	01
13.	Moisture conservation & pest and disease management in sunflower	UAS, Dharwad	Sunflower	-	25	01	01
14.	Introduction of new variety GPBD-4 & ICM in summer groundnut	UAS, Dharwad	Summer groundnut	-	07	01	01
15.	Introduction of BGS-9 variety and SARA method of moisture conservation	UAS, Raichur	Greengram (BGS-9)	-	Not implemented		
16.	ICM in redgram	UAS, Raichur	Redgram (TS-3R)	-	25	02	01
17.	ICM in bengalgram	UAS, Dharwad	Bengalgram (JG-11)	-	25	02	01
18.	ICM in cotton	UAS, Dharwad	Cotton	-	25	01	01
19.	Popularization of planting methods in sugarcane	TNAU, Coimbatore	Sugarcane	-	10	02	-
20.	Management of bacterial blight in pomegranate	UAS, Dharwad	Pomegranate	-	13	02	01
21.	INM and disease management in banana	UAS, Dharwad	Banana		Not implemented		
22.	Introduction of new varieties, disease management in onion	UAS, Dharwad	Onion	-	12	01	01
23.	Pest & disease management in lime	UAS, Dharwad	Lime	-	12	01	-
24.	Integrated pest and disease management in grape	UAS, Dharwad	Grape	-	05	01	-
25.	Introduction of new fodder varieties	UAS, Dharwad	Cattle & buffalos	-	10	01	-
26.	Introduction of swarnadhara birds for egg	KVAFU, Bidar	Poultry	-	10	01	-
27.	Groundnut decorticator	UAS, Raichur model	Home science	-	10	03	01

3.B2 contd..

No. of farmers covered															
OFT				FLD				Training				Others (Field day/ Group meeting)			
General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
07	01	02	-	-	-	-	-	10	0	02	0	15	0	04	0
08	-	02	-	-	-	-	-	15	0	03	01	05	02	07	01
03	-	02	-	-	-	-	-	10	01	04	0	09	05	04	01
08	-	02	-	-	-	-	-	12	0	05	01	09	04	03	02
06	01	02	01	-	-	-	-	15	02	08	01	11	03	04	0
08	01	01	-	-	-	-	-	10	01	08	0	0	0	0	0
00	15	-	05	-	-	-	-	13	01	10	01	10	01	06	01
-	-	-	-	20	01	03	01	36	05	10	03	40	02	10	0
-	-	-	-	20	-	04	01	20	02	10	0	10	0	05	0
-	-	-	-	05	05	13	02	10	02	15	01	10	0	15	02
-	-	-	-	10	02	10	03	10	02	20	03	15	03	20	05
-	-	-	-	17	02	05	01	10	0	05	0	38	02	10	02
-	-	-	-	18	02	04	01	15	02	10	01	35	01	15	01
-	-	-	-	01	01	04	01	10	0	15	02	40	05	15	05
-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
-	-	-	-	16	02	05	02	50	02	10	0	30	02	15	0
-	-	-	-	18	02	05	0	40	03	15	01	35	02	15	0
-	-	-	-	17	03	04	01	20	0	10	0	45	02	10	0
-	-	-	-	8	0	02	0	40	03	10	0	10	0	05	0
-	-	-	-	8	2	2	1	40	05	08	02	50	05	15	02
-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
-	-	-	-	08	01	02	01	10	0	05	0	15	02	07	01
-	-	-	-	07	01	03	01	15	03	10	01	20	02	10	01
-	-	-	-	04	0	01	0	10	02	05	0	15	01	10	0
-	-	-	-	05	01	03	01	10	02	03	01	0	0	0	0
-	-	-	-	06	01	03	0	12	02	05	0	0	0	0	0
-	-	-	-	0	07	0	03	06	10	02	02	0	08	0	02

PART IV - On Farm Trial

4.A1. Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management										
Varietal Evaluation	01									01
Integrated Pest Management	01									01
Integrated Crop Management					01					01
Integrated Disease Management		01			01	01				03
Drudgery Reduction									01	01
Total	02	01			02	01			01	07

4.A2. Abstract on the number of technologies refined in respect of crops : Nil

4.A3. Abstract on the number of technologies assessed in respect of livestock enterprises : Nil

4.A4. Abstract on the number of technologies refined in respect of livestock enterprises : Nil

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Nutrient Management Varietal Evaluation	Sorghum	Assessment of phule anuradha rabi jowar variety for increasing productivity in shallow soils	10	10	0.4
	Maize	Assessment of cypermethrin against stem borer in maize	05	10	0.2
Integrated Pest Management	Maize	Assessment of cypermethrin against stem borer in maize	05	10	0.2
Integrated Crop Management	Onion	Ridge planting in onion with drip irrigation	05	05	0.4
Integrated Disease Management	Groundnut	Assessment of bio agents & soil amendments for collar rot management in groundnut	05	10	0.2
	Onion	Bulb rot management in onion	05	10	0.2
	Lime	Lime canker management	05	10	0.2
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction	Chulhas	Assessment of fuel efficient eco friendly chulhas	20	20	-
Storage Technique					
Mushroom cultivation					
Total			55	75	1.6

4.B.2. Technologies Refined under various Crops : Nil

4.B.3. Technologies assessed under Livestock and other enterprises : Nil

4.B.4. Technologies Refined under Livestock and other enterprises : Nil

4.C1. Results of Technologies Assessed

1. Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Sorghum	Rainfed	Low yields in shallow soils	Introduction of early maturing variety Anuradha	10	TO1&2: FP/RPP : M 35-1	Yield and days to maturity	110 days duration	6.14 q/ha (yield)	Bold grains	-	-
					TO3: AP: Anuradha	Yield and days to maturity	130 days duration	7.82 q/ha (yield)	Early maturing and bold grains suitable for light soils with low fertility	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1&2: FP/RPP: M 35-1	UAS, Dharwad	6.14	q/ha	5760	2.09
TO3: AP: Anuradha	MPKVP-Rahuri	7.82	q/ha	8581	2.56

4.C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1	Title of Technology Assessed	: Introduction of early maturing variety Anuradha for shallow soils
2	Problem Definition	: Low yields in shallow soils
3	Details of technologies selected for assessment	: Anuradha is early maturing variety performs better in shallow soils / light soils
4	Source of technology	: MPKV, Rahuri
5	Production system and thematic area	: Promotion of variety and rainfed
6	Performance of the Technology with performance indicators:	Good yielder with good grain character
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation	
8	Final recommendation for micro level situation	: Anuradha performs better in shallow soils/ light soils
9	Constraints identified and feedback for research	: -
10	Process of farmers participation and their reaction	: Participatory and good yields

4.C1. Results of Technologies Assessed

2. Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Maize	Rainfed	Stem borer management	Stem borer management in maize	05	TO1: FP: Spraying of Quinalphos @ 2 ml/l	No. Dead hearts/5mt row length larvae/pl	2.09 1.03	49.60 q/ha (yield)	-	-	-
					TO2: RPP: Carbaryl 4G @ 7.5 kg/ha as soil application	No. Dead hearts/5mt row length larvae/pl	1.20 0.54	52.74 q/ha (yield)	-	-	-
					TO3: AP: Spraying of Cypermethrin 25 EC @ 0.25 ml/l	No. Dead hearts/5mt row length larvae/pl	0.33 0.18	60.70 q/ha (yield)	Significant reduction in stem borer	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1: FP: Spraying of Quinalphos @ 2 ml/l	Farmer practice	49.60	q/ha	43520	3.72
TO2: RRP: Carbaryl 4G @ 7.5 kg/ha as soil application	UAS, Dharwad	52.74	q/ha	51288	5.27
TO3:AP : Spraying of Cypermethrin 25 EC @ 0.25 ml/l	AIMIP, IARI, New Delhi	60.70	q/ha	59340	5.40

4.C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

- 1 Title of Technology Assessed : Stem borer management in maize
- 2 Problem Definition : Stem borer management
- 3 Details of technologies selected for assessment : Spraying of Cypermethrin 25 EC @ 0.25 ml/l
4. Source of technology : AIMIP, IARI, New Delhi
- 5 Production system and thematic area : Rainfed & Pest management
- 6 Performance of the Technology with performance indicators: Less stem borer incidence with higher grain yield
7. Feedback, matrix scoring of various technology parameters done through farmer's participation
- 8 Final recommendation for micro level situation : Cypermethrin 25 EC @ 0.25 ml/l
- 9 Constraints identified and feedback for research : -
- 10 Process of farmers participation and their reaction : Participatory and good yields

4.C1. Results of Technologies Assessed

3. Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Groundnut	Rainfed	Collar rot	Assessment of bio agents & soil amendments for collar rot management in groundnut	05	TO1: FP: Seed treatment with Captan @ 2.5g/kg	No. of diseased pl / 1mt row length, No. pods/ plant	1.50 48	8.10 q/ha (yield)	-	-	-
					TO2: RPP: ST with <i>Trichoderma</i> @ 4g/kg	No. of diseased pl / 1mt row length, No. pods/ plant	2.10 40	7.75 q/ha (yield)	Eco friendly , can be used as organic amendment	-	-
					TO3: AP: ST with <i>Trichoderma</i> @ 4g/kg.seeds & soil amendment of <i>Pseudomonas</i> @ 2.5kg with neemcake @ 2.5q /ha	No. of diseased pl / 1mt row length, No. pods/ plant	0.85 55	8.70 q/ha	Eco friendly , can be used as organic amendment	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1: FP: Seed treatment with Captan @ 2.5g/kg	Farmer practice	8.10	q/ha	33700	3.26
TO2: RPP: ST with <i>Trichoderma</i> @ 4g/kg	UAS, Dharwad	7.75	q/ha	31700	3.14
TO3: AP: ST with <i>Trichoderma</i> @ 4g/kg.seeds & soil amendment of <i>Pseudomonas</i> @ 2.5kg with neemcake @ 2.5q /ha	NBAII, Bangalore	8.70	q/ha	36600	3.35

4.C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

- 1 Title of Technology Assessed : Assessment of bio agents & soil amendments for collar rot management in groundnut
- 2 Problem Definition : Collar rot
- 3 Details of technologies selected for assessment : Seed treatment with *Trichoderma* @ 4g/kg.seeds & soil amendment of with *Pseudomonas* @ 2.5kg with neemcake @ 2.5q /ha
4. Source of technology : NRC on citrus Nagapur
- 5 Production system and thematic area : Irrigated & Disease management
- 6 Performance of the Technology with performance indicators: less disease incidence and good grain
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
- 8 Final recommendation for micro level situation : Seed treatment with *Trichoderma* @ 4g/kg.seeds and soil amendment of *Pseudomonas* @ 2.5kg with neemcake @ 2.5q /ha
- 9 Constraints identified and feedback for research :
- 10 Process of farmers participation and their reaction : Participatory and good yields

4.C1. Results of Technologies Assessed

4. Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Lime	Irrigated	Canker management	Lime canker management	05	TO1: FP: Spraying with Copper oxychloride (COC) 2g/l	No. of canker spots on leaf No. of canker spots on fruit	2.65 1.30	159.22q/ha (yield)	-		
					TO2:RPP:Spraying with Streptocycline Sulphate 0.5g+ COC 2g/l (3 sprays)	No. of canker spots on leaf No. of canker spots on fruit	0.65 0.80	183.00 q/ha (yield)	Eco friendly & effective		

					TO3:AP: Spraying with <i>Pseudomonas fluorescence</i> @ 10 ml/l (3 sprays)	No. of canker spots on leaf	0.95	179.0 q/ha (yield)	Eco friendly & effective		
						No. of canker spots on fruit	1.10				

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1: FP: Spraying with COC 2g/l	Farmer practice	159.22	q/ha	35429	1.98
TO2:RPP: Spraying with Streptocycline Sulphate 0.5g+COC 2g/l (3 sprays)	UAS, Dharwad	183.00	q/ha	65650	2.88
TO3:AP: Spraying with <i>Pseudomonas fluorescence</i> @ 10 ml/l (3 sprays)	NRC on citrus Nagapur	179.0	q/ha	68450	3.28

4.C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

- 1 Title of Technology Assessed : Lime canker management
- 2 Problem Definition : Canker management
- 3 Details of technologies selected for assessment : Spraying with *Pseudomonas fluorescense* @ 10 ml/lit (3 sprays)
4. Source of technology : NRC on citrus, Nagpur
- 5 Production system and thematic area : Irrigated and disease management
- 6 Performance of the Technology with performance indicators: Less canker & quality fruits
7. Feedback, matrix scoring of various technology parameters done through farmer's participation
- 8 Final recommendation for micro level situation : Spraying with *Pseudomonas fluorescense* @ 10 ml/lit (3 sprays)
- 9 Constraints identified and feedback for research : -
- 10 Process of farmers participation and their reaction : Participatory and quality yields

4.C1. Results of Technologies Assessed

5. Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Onion	Irrigated	less plant population in normal planting	Ridge planting in Onion	05	TO1&2: FP/RPP: Broad bed planting	Incidence of thrips Purple blotch, Bulb rot % & yield	25/plant 15 % 12%	121.4 q/ha (yield)	Rotting of bulbs and uneven size	-	-
					TO3:AP: Ridge planting	Incidence of thrips Purple blotch, Bulb rot % & yield	8/plant 8% 5%	136.4 q/ha (yield)	No rotting of bulbs and even size bulbs	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1&2: FP/RPP: Broad bed planting	NRC for Onion and Garlic	121.4 q/ha	q/ha	100200	5.96
TO3: AP: Ridge planting	Progressive farmers of Maharashtra	136.4 q/ha	q/ha	111100	5.39

4.C.2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details:

- 1 Title of Technology assessment : **Ridge planting in onion with drip irrigation**
- 2 Problem Definition : Uneven bulb size and rotting of bulbs and less plant population
- 3 Details of technologies selected for assessment : Ridge planting in onion with drip irrigation
- 4 Source of technology : NRC for onion and garlic
- 5 Production system and thematic area : ICM and irrigated
- 6 Performance of the Technology with performance indicators : Rotting managed effectively with good marketable yield
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
- 8 Final recommendation for micro level situation : Even bulb size and non rotting of bulbs and uniform plant population
- 9 Constraints identified and feedback for research : Need special implement for formation of ridge
- 10 Process of farmers participation and their reaction : Participatory and rotting is well managed

4.C1. Results of Technologies Assessed

6. Results of on Farm Trial

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Onion	Rainfed	Bulb rot	Bulb rot management in onion	05	TO1&2: FP/ RPP:Seed treatment with Triram @ 2g/kg seed	No. of rotted bulbs/ 1mt row length & yield	1.90	53.36 q/ha (yield)			
					TO3: AP: Carboxin @ 2 g/kg seed and drenching 30 DAT@ 3 g/lit	No. of rotted bulbs/ 1mt row length & yield	0.80	63.54 q/ha (yield)	Less bulb rot due to seed treatment followed by drenching		

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1&2: FP/RPP: Seed treatment with Triram @ 2g/kg seed	UAS, Dharwad	53.36	q/ha	60440	4.11
TO3: AP: Carboxin @ 2 g/kg seed and drenching 30 DAT@ 3 g/lit	NRC onion and Garlic	63.54	q/ha	75710	4.86

4.C2. Details of each On Farm Trial to be furnished in the following format separately as per the proforma below

1	Title of Technology Assessed	: Bulb rot management in onion
2	Problem Definition	: Bulb rot
3	Details of technologies selected for assessment/refinement	: Carboxin @ 2 g/kg seed and drenching 30 DAT@ 3 g/lit
4	Source of technology	: NRC Onion and Garlic, Rajgurunagar
5	Production system and thematic area	: Rainfed and IDM
6	Performance of the Technology with performance indicators	: Manages disease efficiently
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	
8	Final recommendation for micro level situation	: Carboxin @ 2 g/kg seed and drenching 30 DAT@ 3 g/lit
9	Constraints identified and feedback for research	:
10	Process of farmers participation and their reaction	: Participatory and good bulb size

4.C1. Results of Technologies Assessed

7. Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Home science	-	More fuel and time consumption , health problems	Assessment of Fuel efficient eco friendly chulas	20	TO1: Traditional chulha	Fuel efficiency Time taken for cooking(Rice 1kg)	Fuel Time	0.98 kg 29 mins	Among the four chulhas tested envirofit chulha was found to be the best accepted & height is comfortable to cook & handy burns like gas 2)Selco consumes more time 3) Sampada chulha height is more & not comfortable to cook & keep bigger vessels . If the fuel is exhausted then the lid is to be removed & once again the chulha has to be lit with fire. Envirofit chulha cooks evenly & steadily at one pace, no smoke.		
					TO2: Envirofit Chula		Fuel Time	0.54 27			
					TO3 : Selco Chula		Fuel Time	0.64 38			
					TO4: Sampada Gasifier Stove		Fuel Time	1.12 23			

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1: Traditional chulha	Farmer practice	-	Kg	-	-
TO2: Envirofit Chula	Colarado University, USA	-	Kg	-	-
TO3 :Selco Chula	Selco solar light pvt ltd, Bengaluru	-	Kg	-	-
TO4: Sampada Gasifier Stove	Samuchit Enviro Tech Pvt Ltd, Pune	-	Kg	-	-

4.C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

- 1 Title of Technology Assessed : Assessment of fuel efficient eco friendly chulas
- 2 Problem Definition : More fuel and time consumption , health problems
- 3 Details of technologies selected for assessment : Envirofit Chula, Selco Chula, Sampada Gasifier Stove
- 4 Source of technology : Colarado University, USA, Selco solar light pvt ltd, Bengaluru, Samuchit Enviro Tech Pvt Ltd, Pune
- 5 Production system and thematic area : Drudgery reduction
- 6 Performance of the Technology with performance indicators : Saves fuel and time ,emits less smoke
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
- 8 Final recommendation for micro level situation : Envirofit Chula
- 9 Constraints identified and feedback for research : -
- 10 Process of farmers participation and their reaction : Participatory & positive reaction of the farmer towards acceptance

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2012-13

Sl. No.	Category	Farming Situation	Season And Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
1	Oilseeds													
		Rainfed	Late kharif - 2012	Sunflower	-	KBSH-53	Moisture conservation & disease management	Moisture conservation & pest and diseases management in sunflower	10	10	05	20	25	
		Irrigated	Summer 2012-13	Groundnut	GPBD -4		ICM	ICM in summer groundnut	10	07	05	02	07	
2	Pulses													
		Rainfed	Kharif -2012	Greengram	BGS-9		-	Moisture conservation and new variety (BGS-9)	10	Due to no rain fall in growing season not implemented				
		Rainfed	Kharif- 2012	Redgram	TS-3R		ICM	New variety (TS-3R) and Pest & disease management	10	10	07	18	25	
		Rainfed	Rabi- 2012	Bengalgram	JG-11		ICM	Introduction of variety(JG 11) and pest and disease management	10	10	05	20	25	

3	Cereals													
		Rainfed	Kharif - 2012	Bajra	MH 946	Pioneer hybrid	ICM	ICM in Bajra	10	10	04	21	25	
		Irrigated	Kharif-2012	Maize			Micro nutrient management	Micronutrient management in Maize	10	10	05	20	25	
		Rainfed	Rabi- 2012	Sorghum	BJV-44		Improved variety for black soils	Introduction of new variety BJV-44	10	10	15	10	25	
4	Millets													
		Rainfed	Rabi- 2012	Wheat	UAS-304		ICM	Popularization of new variety & ICM in wheat	10	10	13	12	25	
		Rainfed	Kharif & rabi - 2012	Cropping system			Cropping system	Onion followed by sorghum	10	10	06	19	25	
5	Vegetables													
		Irrigated	Late kharif - 2012	Onion	Bhima super		ICM	Introduction of new varieties(Bhima super) disease management	12	12	03	09	12	
6	Flowers													
7	Ornamental													
8	Fruit													
		Irrigated	Rabi – 2012	Lime	Kagzi		IPDM	Pest & disease management	12	12	04	08	12	
		Irrigated	Rabi-2012	Grape	Thompson seedless		IPDM	Integrated Pest and Disease management	05	05	01	04	05	
		Irrigated	Rabi- 2012	Pomegranate	Ganesh		IDM	Management of bacterial blight in pomegranate	05	05	04	09	13	
9	Spices and condiments													
10	Commercial													

		Irrigated	Kharif - 2012	Cotton		Bt. Cotton hybrid	ICM	Improving productivity with water management	10	10	05	20	25	
		Irrigated	Rabi - 2012	Sugarcane	Co 86032		ICM	Popularization of planting methods	05	05	02	08	10	
11	Fibre													
12	Dairy							Introduction of new fodder varieties	04 ha		04	06	10	
13	Poultry							Introduction of Swarnadhara birds for egg			03	07	10	
14	Others (specify)													
15	Home science						Drudgery reduction	Groundnut decorticator	10	10	07	03	10	

5.A. 1. Soil fertility status of FLDs plots during 2012-13

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
1	Oilseeds												
		Rainfed	Late kharif - 2012	Sunflower	-	KBSH-53	Moisture conservation & disease management	Moisture conservation & pest and disease management in sunflower	Late kharif - 2012	165	5	388	Sorghum
		Irrigated	Summer 2012-13	Summer Groundnut	GPBD -4		ICM	ICM in summer groundnut	Summer 2012-13	134	18	92	Sunflower
2	Pulses												
		Rainfed	Kharif - 2012	Greengram	BGS-9		Vitiated	Moisture conservation and new variety (BGS-9)	Kharif - 2012	165	8	388	Redgram
		Rainfed	Kharif-2012	Redgram	TS-3R		ICM	New variety (TS-3R) and pest & disease management	Kharif-2012	172	9	620	Sorghum
		Rainfed	Rabi- 2012	Bengalgram	JG-11		ICM	Introduction of variety (JG 11) and pest and disease management	Rabi- 2012	134	32	445	Wheat
3	Cereals												
		Rainfed	Kharif - 2012	Bajra		Pioneer hybrid	ICM	ICM in bajra	Kharif - 2012	156	22	108	Greengram
		Irrigated	Kharif-2012	Maize		Private hybrid	Micro nutrient management	Micronutrient management in Maize	Kharif-2012	138	18	625	Summer groundnut

		Rainfed	Rabi- 2012	Sorghum	BJV-44		Improved variety for black soils	Introduction of New variety BJV-44	Rabi- 2012	128	27	406	Sorghum
4	Millets												
		Rainfed	Rabi-2012	Wheat	UAS-304		ICM	Popularization of new variety & ICM in wheat	Rabi-2012	138	18	392	Sunflower
		Rainfed	Kharif & rabi - 2012	Cropping system	Arka Bhim(O) M-35-1 (S)		Cropping system	Onion followed by sorghum	Kharif & rabi - 2012	152	18	303	Sorghum
5	Vegetables												
		Irrigated	Late kharif - 2012	Onion	Arka Bhim		ICM	Introduction of new varieties, disease management	Late kharif - 2012	158	18	217	Redgram
6	Fruits												
		Irrigated	Rabi – 2012	Lime	Kagzi		IPDM	Pest & disease management	Rabi – 2012	178	18	380	Lime
		Irrigated	Rabi-2012	Grape	Thompson seedless		IPDM	Integrated pest and disease management	Rabi-2012	175	30	654	Grape
		Irrigated	Rabi-2012	Pomegranate	Ganesh		IDM	Management of bacterial blight in pomegranate	Rabi-2012	115	31	458	Pomegranate
7	Commercial												
		Irrigated	Kharif - 2012	Cotton		Bt. Cotton hybrid	ICM	Improving productivity with water management	Kharif - 2012	152	9	186	Summer groundnut
		Irrigated	Rabi - 2012	Sugarcane	Co 86032		ICM	Popularization of planting methods	Rabi - 2012	134	22	445	Redgram

5.B. Results of Frontline Demonstrations

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Oilseeds																			
Sunflower	Moisture conservation & pest and diseases management	-	KBSH-53	Rainfed	25	10	10.50	9.50	9.93	8.37	18.63	13900	34755	20855	2.50	14200	29278	15078	2.06
Summer Groundnut	Introduction of new variety	GPBD -4		Irrigated	25	10			19.60	14.80	32.43	17100	68600	51500	4.01	16500	51800	35300	3.14
Pulses																			
Greengram	Moisture conservation and new variety (BGS-9)	BGS-9		Rainfed	25	10	-	-	-	-	-	-	-	Not implemented due to drought					
Redgram	New variety (TS-3R) With Pest & disease management	TS-3R		Rainfed	25	10	15.0	11.50	13.56	11.60	16.89	15600	55596	39996	3.56	15877	49270	33394	3.11
Bengalgram	Introduction of variety (JG 11) with pest and disease management	JG-11		Rainfed	25	10	12.90	11.40	11.92	10.54	13.09	7800	41720	33920	5.35	8128	36873	28745	4.54

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Cereals																			
Bajra	ICM in Bajra		Pioneer hybrid	Rainfed	25	10	18.60	15.20	16.57	12.49	32.66	10500	19056	8556	1.81	11500	14358	2858	1.24
Maize	Micronutrient management in Maize		900M	Irrigated	25	10	60.30	50.40	58.50	50.10	16.76	18500	69924	51424	3.78	17500	61027	43527	3.49
Sorghum	Introduction of New variety BJV-44	BJV-44		Rainfed	25	10	8.30	7.50	7.87	6.12	28.59	5500	14162	8662	2.57	5300	11007	5707	2.08
Wheat	Popularization of new variety & ICM In wheat	UAS-304		Irrigated	25	10	35.1	30.0	32.82	25.76	27.40	13000	59076	46076	4.54	12500	46368	36728	3.71
Cropping system	Onion followed by sorghum	Arka bhima & M35-1		Rainfed	25	10	54.30 (O) 8.50(S)	50.0 (O) 7.10 (S)	52.20 (O) 7.61(S)	10.56 (S)	-	27100	97292	70192	3.59	10000	18999	8999	1.90
Fruit																			
Banana	INM and disease management	Banana special		Irrigated	12	05				-	-	-	-	-	Not implemented				
Onion	Introduction of new varieties, disease management	Bhima super		Irrigated	12	05	70.5	59.5	66.48	54.51	21.96	19600	99713	77345	5.08	19922	81766	61844	4.12
Lime	Pest & disease management	Kagzi		Irrigated	12	05	134.50	210.10	199.09	165.83	20.06	41000	109500	68500	2.67	35915	74624	38709	2.08
Grape	Integrated pest and disease management	Thompson seedless		Irrigated	05	02	-	-	240.50	219.60	9.51	88900	601250	512350	6.76	95911	439200	343289	4.58
Pomegranate	Management of bacterial blight in pomegranate	Ganesh		Irrigated	05	02	75.0	59.5	66.28	57.21	15.85	77500	331417	253917	4.28	88019	228833	140814	2.60

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Commercial																			
Cotton	Improving productivity with water management		Bt. Cotton	Irrigated	25	10	19.50	16.50	18.04	16.30	10.67	19200	75768	56568	3.95	18670	67637	48967	3.62
Sugarcane	Popularization of planting methods		CO-86032	Irrigated	10	04			-		-	-	-	Results awaited					

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

H – Highest Yield, L – Lowest Yield A – Average Yield

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/ diseases etc.)

Crop	Parameters with unit	Demo	Check	Parameters with unit	Demo	Check
Sunflower	PDI(%)	4.50	12.10	Defoliation (%)	6.8	13.7
Groundnut	Thrips/ leaflet	3.30	10.12	Collarot	5.80	9.30
Redgram	Pod damage(%)	8.90	13.35	Wilt (%)	3.35	9.35
Bengalgram	Pod damage(%)	6.70	12.50	Wilt (%)	6.50	10.10
Bajra	No. of tillers/plant	15.00	08.00	Rust incidence (%)	3.30	8.60
Wheat	Rust incidence (%)	2.30	10.70	Weed index	8.83	28.44
Onion	Purple blotch(%)	3.90	5.40	Thrips/plant	12.90	14.60
Lime	Canker (%)	7.80	13.50	Defoliation (%)	7.80	13.50
Grape	Mealy bug incidence	7.30	13.50	Downey mildew (%)	6.80	11.50
Pomegranate	Blight (%)	6.78	12.20	Thrips/flower	5.00	10.00
Cotton	Leaf hopper/3 leaves	2.30	4.35	Bollworm incidence (%)	6.25	8.95

5.B.2. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Milk Yield (lt/day)			Body weight (Kg/animal)	Egg (nos./yr)	% Increase	*Economics of demonstration (Rs./unit)				*Economics of check (Rs./unit)			
					Demo		Check if any				Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L												
Dairy	Introduction of hybrid Napier varieties	Crossbred cattle	10	10	12.80	7.20	9.50	6.80	39.70	35000	52000	17000	1.48	28000	35220	7220	1.25	
Poultry	Introduction of Swarnadhara birds 6 wk age	Swarnadhara birds	06	06	230	126	180	95	90	4200	9800	5600	2.33	1000	5200	4200	5.2	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

5.B.3. Fisheries : Nil

B.4. Other enterprises

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m ² }	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./unit) or (Rs./m ²)				*Economics of check (Rs./unit) or (Rs./m ²)				
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
					H	L	A											
Drudgery reduction	Groundnut decorticator	-	10	-			32.5 mins	282 mins	-88.48 it saves time spent for decorticating									

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

5.B.5. Farm implements and machinery : Nil

5.B.6. Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	10	945	
2	Farmers Training	28	594	
3	Media coverage	10	0	
4	Training for extension functionaries	04	100	
5	Others (Please specify)	0	0	

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Cereals																	
Bajra	ICM in bajra	Pioneer hybrid	25	10	18.60	15.20	16.57	12.49	32.66	10500	19056	8556	1.81	11500	14358	2858	1.24
Maize	Micro nutrient management in maize	900M	25	10	60.30	50.40	58.50	50.10	16.76	18500	69924	51424	3.78	17500	61027	43527	3.49
Total			50	20	78.9	65.6	75.07	62.59	49.42	29000	88980	59980	5.59	29000	75385	46385	4.73
Oilseeds																	
Sunflower	Moisture conservation & pest and disease management	KBSH-53	25	10	10.50	9.50	9.93	8.37	18.63	13900	34755	20855	2.50	14200	29278	15078	2.06
Total			25	10	10.50	9.50	9.93	8.37	18.63	13900	34755	20855	2.50	14200	29278	15078	2.06
Pulses																	
Vegetable crops																	
Commercial crops																	
Others (Cotton)	Improving productivity with water management	Bt.Cotton Hybrid	25	10	19.50	16.50	18.04	16.30	10.67	19200	75768	56568	3.95	18670	67637	48967	3.62
Total			25	10	19.50	16.50	18.04	16.30	10.67	19200	75768	56568	3.95	18670	67637	48967	3.62
Grand Total			100	40	108.9	91.6	103.04	87.26	78.72	62100	199503	137403	12.04	61870	172300	110430	10.41

H-High L-Low, A-Average *Please ensure that the name of the hybrid is correct pertaining to the crop specified

PART VII. TRAINING

7.A.. Training of Farmers and Farm Women including sponsored training programmes

(On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	1	20	-	20	05	-	05	25	-	25
Resource Conservation Technologies	4	125	-	125	25	-	25	150	-	150
Cropping Systems	1	25	-	25	-	-	-	25	-	25
Crop Diversification	2	-	-	-	35	5	40	35	5	40
Integrated Farming	2	40	10	50	25	5	30	70	10	80
Micro Irrigation/Irrigation	1	20	1	21	4	-	4	24	1	25
Seed production	4	150	15	165	30	5	35	180	20	200
Nursery management										
Integrated Crop Management	18	325	25	350	75	15	90	400	40	440
Soil and Water Conservation	2	50	-	50	-	-	-	50	-	50
Integrated Nutrient Management	2	35	5	40	10	-	10	45	5	50
Production of organic inputs	4	70	8	78	15	7	22	85	15	100
Horticulture										
a) Vegetable Crops										
b) Fruits										
Cultivation of Fruit	3	80	7	87	10	3	13	90	10	100
Soil Health and Fertility Management										
Soil fertility management	2	50	-	50	-	-	-	50	-	50
Integrated water management	1	13	2	15	7	3	10	20	5	25
Integrated nutrient management	2	12	3	15	8	2	10	20	5	50
Micro nutrient deficiency in crops	2	50	-	50	-	-	-	50	-	50
Soil and water testing	1	20	5	25	-	-	-	20	5	25
Livestock Production and Management										
Dairy Management	5	140	15	165	80	15	95	220	30	250
Poultry Management	4	150	15	165	30	5	30	180	20	200
Home Science/Women empowerment										
Value addition	3	15	45	60	5	15	20	20	60	80
Women empowerment	2	6	30	36	4	6	10	10	36	46

Plant Protection										
Integrated Pest Management	5	95	3	98	50	2	52	145	5	150
Bio-control of pests and diseases	1	20	-	20	5	-	5	25	-	25
Production of Inputs at site										
Vermi-compost production	4	125	10	135	50	15	65	175	25	200
Apiculture	1	14	-	14	4	2	6	18	2	20
TOTAL	77	1650	199	1859	477	105	577	2132	299	2456

**7.B Training of Farmers and Farm Women including sponsored training programmes
(Off campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Integrated Farming	4	200	60	260	100	40	140	300	100	400
Integrated Crop Management	24	800	40	840	95	25	120	895	65	960
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	1	310	8	318	80	2	82	390	10	400
Cultivation of Fruit	4	700	20	720	70	10	80	770	30	800
Soil Health and Fertility Management										
Soil fertility management	5	200	40	240	40	20	60	240	60	300
Integrated nutrient management	5	200	30	230	60	20	80	260	50	310
Micro nutrient deficiency in crops	8	300	35	335	50	15	65	350	50	400
Home Science/Women empowerment										
Value addition	2	-	27	27	-	13	13	-	40	40
Location specific drudgery production	3	6	17	23	4	5	9	10	22	32
Plant Protection										
Integrated Pest Management	15	600	20	620	125	5	130	725	25	750
Production of Inputs at site										
Seed Production	3	100	13	113	30	7	37	130	20	150
TOTAL	74	3416	310	3726	654	162	816	4070	472	4542

7.C. Training for Rural Youths including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated farming	1	22	1	23	6	1	7	28	2	30
Vermi-culture	3	80	6	86	30	04	34	110	10	120
TOTAL	4	102	7	109	36	5	41	138	12	150

7.D. Training for Rural Youths including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Vermi-culture	3	110	10	120	20	10	30	130	20	150
Value addition	2	-	47	47	-	13	13	-	60	60
Any other (Home science)	04	-	124	124	-	38	38	-	140	140
TOTAL	9	110	159	269	20	61	81	130	220	350

7.E. Training programmes for Extension Personnel including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Nutrient management	02	30	3	33	10	3	13	40	6	46
Total	02	30	3	33	10	3	13	40	6	46

7.F. Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	2	40	-	40	20	-	20	60	-	60
Total	2	40	-	40	20	-	20	60	-	60

7.G. Sponsored training programmes conducted

S.No.	Area of training	No. of Courses	No. of Participants									
			General			SC/ST			Grand Total			
			Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	Crop production and management											
1.a.	Increasing production and productivity of crops	2	40	-	40	20	-	20	60	-	60	
2.a.	Fruit Plants	2	40	5	45	15	-	15	55	5	60	
	Total	4	80	5	85	35	0	35	115	5	120	

Details of sponsoring agencies involved

- 1.KSDA
- 2.KSDH
- 3.ATMA

7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth

S.No.	Area of training	No. of Courses	No. of Participants									
			General			SC/ST			Grand Total			
			Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	Crop production and management											
	Organic farming	5	75	10	85	30	10	40	105	20	125	
2.	Income generation activities											
	Tailoring, stitching, embroidery, dying etc.	3	-	47	47	-	12	12	-	59	59	
3	Agricultural Extension											
	Grand Total	8	75	57	132	30	22	52	105	79	184	

PART VIII – EXTENSION ACTIVITIES

Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	10	880	20	900	30	5	35	10	-	10
Kisan Mela										
Kisan Ghosthi	2	95	5	100	10	2	12	5	-	5
Exhibition	3	-	-	1000000	-	-	-	-	-	-
Film Show										
Method Demonstrations	10	450	50	500	80	20	100	80	20	100
Workshop	01	-	-	80	-	-	-	-	-	-
Group meetings	10	800	200	1000	150	50	200	-	-	-
Lectures delivered as resource persons	30	600	100	700	100	20	120	40	5	45
Newspaper coverage	10									
Radio talks	15									
TV talks	04									
Popular articles	10									
Extension Literature	09									
Advisory Services	300									
Scientific visit to farmers field	50									
Farmers visit to KVK	300	250	-	250	50	-	50	-	-	-
Diagnostic visits	20									
Exposure visits	04									
Soil health Camp	02									
Animal Health Camp	01									
Soil test campaigns	01									
World food celebration	01									
Radio kisan day	01									
Raith dinacharane	01									
Total	795	3075	375	1003530	420	97	517	135	25	160

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (qtl)	Value (Rs)	Number of farmers to whom provided
Cereals	Sorghum	M 35-1	-	25	125000	833
Oilseeds						
Pulses	Redgram	TS-3R	-	28	224000	560
	Bengalgram	JG-11	-	25	187500	100
Total				78	536500	1493

9.B. Production of planting materials by the KVKs: Nil

9.C. Production of Bio-Products ; Nil

9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Poultry				
Layers	Swarnadhara	1000	95000	80
Total		1000	95000	80

PART X – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION

10. A. Literature Developed/Published (with full title, author & reference)

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers			
	Evaluation of acceptability of pearl millet flakes	Patil, P. B, Guggari.A.K & Wali.S.Y.	01
	Impact of drudgery reducing technologies on work efficiency and health security of farm women	Patil, P. B	01
Book chapters	Improved production technology in Bajra	Wali.S.Y. & Nooli.S.S,	01
	Opportunities for organic bajra production technology	Nooli.S.S & Wali.S.Y	01
Books	Fodder crops	Wali.S.Y., Suresh.B.N, Nooli.S.S., & Alagundagi suresh	01
	Poultry management	Suresh.B.N. Umesh.B.U., Wali.S.Y, & Nooli.S.S.	01
	Dairy management	Suresh.B.N. Kulkarni.V.S., Wali.S.Y, & Nooli.S.S.	01
	Goat rearing	Suresh.B.N., Wali.S.Y, Nooli.S.S & Patil.M.B.	01
	Improved production technology in sugarcane	Wali.S.Y, Nooli.S.S, Karbhantanal .S.S. & Vastrad .S.M	01
	Innovative farmers	Wali.S.Y, & Nooli.S.S	01
	Minor millets	Dr.S.S.Karbhantanal Dr.S.S.Nooli Dr.S.M.Vastrad Dr.I.M.Mannikeri	01
	Bajra cultivation technology	Dr.S.M.Vastrad Dr.S.S.Nooli Dr.S.S.Karbhantanal Dr.I.M.Mannikeri Dr.Prema B Patil	01
Technical reports	KVK, Reports	All staff	
News letters	April-2012 to September-2012	All staff	01
Technical bulletins	Biodigester	Wali.S.Y, Nooli.S.S, Karbhantanal .S.S. & Vastrad .S.M	01
Popular articles	Nutrition for elderly	Patil P.B, & Itagi .S.K	01
	Sajjeya moulyavardita padarthagal	Patil P.B & Guggari.A.K	01
Extension literature	Sajjeyinda tayarisabhahudad moulyavardita padartagal	Patil Prema & Nooli.S.S.	500

	Vermicompost production technology	S.S.Karbhantanal, S.M.Vastrad S.S.Nooli, S.Y.Wali	500
	Management of black headed hairy caterpillar in sunflower	S.S.Karbhantanal, S.M.Vastrad , S.S.Nooli, S.Y.Wali	500
	Contingent crop planning	S.S.Nooli, S.Y.Wali, A.K.Guggari S.S.Karbhantanal, S.M.Vastrad	500
	Production technology in bengalgram	S.S.Nooli, S.S.Karbhantanal , S.Y.Wali	500
	Production technology in Groundnut	S.S.Nooli, S.S.Karbhantanal , S.Y.Wali	500
	Improved sugarcane production technology	S.S.Nooli, S.S.Karbhantanal , S.M.Vastrad	500
	Improved production technology in cotton	S.S.Nooli, S.S.Karbhantanal , S.M.Vastrad	500
	Vermicompost	S.S.Karbhantanal, S.M.Vastrad, S.Y.Wali , S.S.Nooli & I .M.Mannikeri.	500
TOTAL	25	25	

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	CD	FFS & FLD demo	02

10.C. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period). : Nil

The Broad outline for the case study may be

Title

Background

Interventions

Process

Technology

Impact

Horizontal Spread

Economic gains

Employment Generation

10.D. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year : Nil

10.E. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs) : Nil

10.F. Indicate the specific training need analysis tools/methodology followed for : Nil

10.G. Field activities

- i. Number of villages adopted : 12
- ii. No. of farm families selected : 53
- iii. No. of survey/PRA conducted : 04

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Established

1. Year of establishment : 01-09-2005

2. List of equipments purchased with amount :

Sl. No.	Name of the Equipment	Qty	Cost (Rs)
1.	Ph. Meter	01	8,900.00
2.	Electrical conductivity Bridge	01	9,790.00
3.	Flame Photometer	01	32,040.00
4.	Visible spectro phtoto meter	01	40,050.00
5.	Electronic automatic KEL Plus digestion system and Nitrogen distillation system	01	1,42,844.00
6.	Shaking machine	01	47,025.00
7.	Electronic weighing machine	01	57,000.00
8.	Physical balance	01	10,890.00
9.	Hot air oven	01	16,471.00
10.	Hot plate	01	2,912.00
11.	Grinder	01	14,700.00
12.	Water distillation unit	01	62,444.00
13.	Refrigerator	01	12,285.00
	Accessories		
1.	Electronic acid neutralizer scrubber for KEL plus digestion and distillation unit	01	42,185.00
2.	Combined electrode for pH meter	01	23,451.00
	Conductivity cell type for conductivity meter	01	
	Glass cuvettes, plastic cuvettes and tungston haloen lamp for spectro phtoto meter	01	
	Software and interfacing accessories for spectro phtoto meter	01	
	Calcium filter for flame photo meter	01	
3.	Water softner for water distillation unit	01	16,932.00
	Silica heaters for water distillation unit	01	
	TOTAL(A)		5,39,919.00
B.	Laboratory furnitures purchased (Lab tables, Steel cabinet, Lab stools, Lab racks)		3,19,749.00
	TOTAL (A+B)		8,59,668.00
	Un spent balance		332.00

Details of samples analyzed so far since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	1543	1383	344	308600
Water Samples	348	324	171	34800
Plant samples				-
Manure samples				-
Others (specify)				-
Total	1891	1707	515	3,43,400

Details of samples analyzed during the 2012-13:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	550	550	400	110000
Water Samples	248	200	200	24800
Plant samples				
Manure samples				
Others (specify)				
Total	798	750	600	1,34,800

10.I. Technology Week celebration during 2012-13 No

10. J. Interventions on drought mitigation (if the KVK included in this special programme)

D. Animal health camps organized

State	Number of camps	No.of animals	No.of farmers
Karnataka , Baluti Village	01	200	70
Total	01	200	70

PART XI. IMPACT

11.A. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Vermicompost	2407	33.65%		

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

11.B. Cases of large scale adoption
(Please furnish detailed information for each case)

11.C. Details of impact analysis of KVK activities carried out during the reporting period

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture	Joint diagnostic surveys, Trainings, FLD
Dept. of Horticulture	Joint diagnostic surveys, Trainings
Dept of Veterinary and Animal Husbandry	Conducting training
Karnataka Milk Federation	Conducting training programmes
Rural Development and Self- Employment Training Institute (RUDSET) Bijapur	Conducting training programmes
Non Government Organizations (NGO's) such as RUDSET, NYK, etc	Conducting trainings
VVV Clubs	Conducting trainings
Self help Groups	Conducting trainings
Regional Agricultural Research Station	Conducting trainings, demonstrations visits to problematic fields
Agromet Advisory service unit	Tips on weather forecasting
Department of child and women welfare	Conducting trainings
KVIC	Conducting training programme

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

12.B. List special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
IFS project for SC/ST Farmers	April -2012	Dept. of Social Welfare, GOK.	95,00,111
Management of cuscuta parasitic weed in transplanted onion	Oct- 2012	ATMA, Bijapur	1,00,000

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

If yes, role of KVK in preparation of SREP of the district: KVK scientist involved in preparation of SREP of Bijapur district

Coordination activities between KVK and ATMA during 2011-12

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	GB , TIC	10	-	
02	Research projects	Management of cuscuta parasitic weed in transplanted onion			100000
03	Training programmes	Farmer scientist interface	05	02	
04	Demonstrations				
05	Extension Programmes				
	Kisan Mela		02		
	Exposure visit	02			
	Others FFS		10	-	
06	Publications				
	Video Films				
	Pamphlets		05		
07	Other Activities (Pl. specify)				

12.D. Give details of programmes implemented under National Horticultural Mission : Nil

12.E. Nature of linkage with National Fisheries Development Board : Nil

12.F. Details of linkage with RKVY : Nil

12. G Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April -2012	-	-	-
May -2012	04	744	10
June -2012	05	2626	-
July -2012	-	-	-
August-2012	06	2721	05
September -2012	01	450	-
October -2012	17	12653	20
November -2012	12	11469	10
December -2012	02	1140	10
January 2013	02	1272	05
February -2013	-	-	-
March-2013	02	962	-

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

13.A. Performance of demonstration units (other than instructional farm) : Nil

13.B. Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Sorghum	9-10-2012	13.3.2013	4.0	M 35-1	FS	25 q	9050	1,25,000	
Pulses									
Bengalgram	11-10.2012	11.1.2013	4.0	JG-11	TL	25	32,200	187500	
Redgram	24.7.2012	29.1.2013	4.0	TS-3R	TL	28	35500	224000	
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Sapota									
Vegetables									
Others (specify)									

13.C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) : Nil

13.D. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Cow	Deonix HF Cross breed	Milk	36000	4,00,000	9,00,000	

13.E. Utilization of hostel facilities : Nil

13.F. Database management

S. No	Database target	Database created
01	Farmers Database	Created
02	FLD Database	Created
03	Extension Activity	Created

13.G. Details on Rain Water Harvesting Structure and micro-irrigation system

Amount sanctioned (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
10,000.00	860762	Farm pond						No water harvested due to drought	

PART XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	State Bank of India	Dharwad		Comptroller, UAS, Dharwad	-	-	-
With KVK	State Bank of India, Bijapur	Bijapur		Programme Coordinator, KVK, Bijapur	31010226801 10465780871	-	SBIN0000819

14.B. Utilization of KVK funds during the year 2012-13 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	5300000	5200000	6855005
2	Traveling allowances	150000	125000	125615
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	265000	265000	264352
B	POL, repair of vehicles, tractor and equipments	190000	190000	189716
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	75000	75000	71801
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	75000	75000	74401
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	330000	330000	326421
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	60000	60000	28365
G	Training of extension functionaries	25000	25000	24389
H	Maintenance of buildings	25000	25000	24980
I	Establishment of Soil, Plant & Water Testing Laboratory	-	-	-
J	Extension Activities	25000	25000	24301
K	Farmers Field school	25000	25000	23,781
L	Library	5000	5000	4603
TOTAL (A)		6550000	6425000	8037730
B. Non-Recurring Contingencies				
1	Works			
2	Equipments including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		6550000	6425000	8037730

14.C. Status of revolving fund (Rs. in lakh) for the three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2010 to March 2011	209144=34	205206	180120	234230=34
April 2011 to March 2012	234230=34	358807	338358	254679=34
April 2012 to March 2013	254679=34	14,19,772	6,67,425	1007026=34

14. D Details of HRD activities attended by KVK staff during 2012-13

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr.S.S.Karbhantanal	SMS (Entomology)	Symposium on plant protection in Horticulture crops : Emerging challenges & sustainable pest management	IIHR, Bangalore	25 to 28 .04.2012
Dr.Prema B Patil	SMS (Home science)	Child nutrition & health	BLDE University , Bijapur	01.09.2012
Dr.S.S.Nooli	SMS (Agronomy)	Expert system on Rice, Ragi, Coconut, Sugarcane	ZPD, Bangalore	12.09.2012
Dr.S.S. Karbhantanal	SMS (Entomology)	Expert system on Rice, Ragi, Coconut, Sugarcane	ZPD, Bangalore	12.09.2012
Dr.S.S.Karbhantanal	SMS (Entomology)	Bio-informatics: Methods and approaches for insect research	NBAIL, Bangalore	19.11.2012 to 01.12.2012
Dr.S.S.Nooli	SMS (Agronomy)	Orientation programme	ZPD, Bangalore & KVK, Tuticorin	8.01.2013 to 11.01.2013
Dr.S.Y.Wali	Programme Co-ordinator	Orientation programme	ZPD, Bangalore & KVK, Tuticorin	8.01.2013 to 11.01.2013
Dr.S.Y.Wali	Programme Co-ordinator	Participatory impact monitoring & Assessment (PIMA)	ZPD , Bangalore & KVK, Erode	28.1.2013 to 02.02.2013
Dr.I.M.Mannikeri	SMS (Horticulture)	Orientation programme	ZPD, Bangalore & KVK, Tuticorin	8.01.2013 to 11.01.2013
Mr.B.C.Kolhar	Farm Manager	Use of improved farm implements	Agriculture Engginering College , UAS,Raichur	10.12.2012

Dr.S.S.Karbhantanal	SMS (entomology)	Storage grain pests : Detection and identification	NIPHM, Hyderabad	21.1.2013 to 25.01.2013
Dr.S.S.Karabhantanal	SMS (Entomology)	Role of KVKs in implementation of ATMA activities.	DOE, UAS, Dharwad	29 th to 30 th June, 2012
Dr.S.S.Nooli	SMS (Agronomy)	Role of KVKs in implementation of ATMA activities.	DOE, UAS, Dharwad	29 th to 30 th June, 2012
Dr.S.S.Nooli	SMS (Agronomy)	Training programme on “Farm journalism skills for extension functionaries”	SAMETI, UAS, Dharwad & MANAGE, Hyderabad	27 th to 31 st August, 2012
Dr.S.S.Nooli	SMS (Agronomy)	Process documentation skills for information management	EEl Hyderabad & SAMETI (N) UAS,Dharwad	12.03.2013 to 15.03.2013
Mr.S.C.Rathod	Programme Assistant (computer)	Agro services and alters through internet/ mobile phones	UAS,Dharwad	06.12.2012
Dr.S.S. Karabhantanal	SMS (Entomology)	Agro services and alters through internet/ mobile phones	UAS,Dharwad	06.12.2012

16. Please include any other important and relevant information which has not been reflected above (write in detail). Nil

SUMMARY FOR 2012-13

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Integrated Nutrient Management			
Varietal Evaluation	Sorghum	Assessment of phule anuradha rabi jowar variety for increasing productivity in shallow soils	10
Integrated Pest Management	Maize	Assessment of cypermethrin against stem borer in maize	05
Integrated Crop Management	Onion	Ridge planting in onion with drip irrigation	05
Integrated Disease Management	Groundnut	Assessment of bio agents & soil amendments for collar rot management in groundnut	05
	Onion	Bulb rot management in onion	05
Small Scale Income Generation Enterprises	Lime	Lime canker management	05
Drudgery Reduction	Chulha	Assessment of fuel efficient eco friendly chulhas	20
Total			55

Summary of technologies assessed under livestock : Nil

Summary of technologies assessed under various enterprises : Nil

Summary of technologies assessed under home science : Nil

II. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops : Nil

Summary of technologies assessed under refinement of various livestock : Nil

Summary of technologies refined under various enterprises : Nil

Summary of technologies refined under home science : Nil

III. FRONTLINE DEMONSTRATION

Crops

Crop	Thematic area	Name of the technology demonstrated	No. of KV Ks	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Oilseeds																		
Sunflower	Moisture conservation & disease management	Moisture conservation & pest and diseases management		25	10	9.93	8.37	18.63	PDI 4.50	PDI 12.10	13900	34755	20855	2.50	14200	29278	15078	2.06
Summer Groundnut	Integrated crop management	Introduction of new variety		25	10	19.60	14.80	32.43			17100	68600	51500	4.01	16500	51800	35300	3.14
Pulses																		
Greengram	Integrated crop management	Moisture conservation and new variety (BGS-9)		25	10	-	-	-	Not implemented		-	-	-	-	-	-	-	-
Redgram	Integrated crop management	New variety (TS-3R) and Pest & disease management		25	10	11.50	13.56	11.60	Larvae/pl 0.83	Larvae/pl 1.90	15600	55596	39996	3.56	15877	49270	33394	3.11

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Bengalgram	Integrated crop management	Introduction of variety (JG 11) and pest and disease management)		25	10	11.40	11.92	10.54	Pod damage 6.70%	Pod damage 12.50%	7800	41720	33920	5.35	8128	36873	28745	4.54
Cereals																		
Bajra	Integrated crop management	ICM in Bajra		25	10	16.57	12.49	32.66	Tillers 15	Tillers 8	10500	19056	8556	1.81	11500	14358	2858	1.24
Maize	Micro nutrient management	Micronutrient management in Maize		25	10	58.50	50.10	16.76	-	-	18500	69924	51424	3.78	17500	61027	43527	3.49
Sorghum	Improved variety for black soils	Introduction of New variety BJV-44		25	10	7.87	6.12	28.59	-	-	5500	14162	8662	2.57	5300	11007	5707	2.08
Wheat	Integrated crop management	Popularization of new variety & ICM In wheat		25	10	32.82	25.76	27.40	Rust incidence 2.30	Rust incidence 10.70	13000	59076	46076	4.54	12500	46368	36728	3.71
Cropping system	Cropping system	Onion followed by sorghum		25	10	52.20 (O) 7.61(S)	10.56 (S)	-	-	-	27100	97292	70192	3.59	10000	18999	8999	1.90
Fruit																		
Banana	Micro nutrient management	INM and disease management		12	05	-	-	-	Not implemented		-	-	-	-	-	-	-	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Onion	Integrated crop management	Introduction of new varieties, disease management		12	05	66.48	54.51	21.96	Purple blotch disease 5.4%	Purple blotch disease 3.9%	19600	99713	77345	5.08	19922	81766	61844	4.12
Lime	Integrated pest & Disease management	Pest & disease management		12	05	199.09	165.83	20.06	Canker disease 7.8 %	Canker disease 13.50 %	41000	109500	68500	2.67	35915	74624	38709	2.08
Grape	IPDM Integrated pest & Disease management	Integrated Pest and Disease management		05	02	240.50	219.60	9.51	Mealy bug 7.3%	Mealy bug 13.5%	88900	601250	512350	6.76	95911	439200	343289	4.58
Pomegranate	Integrated Disease management	Management of bacterial blight in pomegranate		05	02	66.28	57.21	15.85	BLB 6.78%	BLB 12.2%	77500	331417	253917	4.28	88019	228833	140814	2.60
Commercial																		
Sugarcane	Integrated crop management	Popularization of planting methods		10	04	-	-	-	Results awaited		-	-	-	-	-	-	-	-
Fibre crops like cotton	Integrated crop management	Improving productivity with water management		25	10	18.04	16.30	10.67	Leaf hopper/ leaves 2.30	Leaf hopper /3 leaves 4.35	19200	75768	56568	3.95	18670	67637	48967	3.62
Medicinal and aromatic																		
		Total	0	331	133													

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy		Introduction of hybrid Napier varieties		10	10	9.50	6.80	39.70			35000	52000	17000	1.48	28000	35220	7220	1.25
Poultry		Introduction of Swarnadhara birds 6 wk age		06	06	180	95	90			4200	9800	5600	2.33	1000	5200	4200	5.2
Total			0	16	16													

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Fisheries : Nil

Other enterprises : Nil

Category	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit				
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
Others (Home science)	Groundnut decorticator	-	10	-	32.5	282	-88.5 i.e it saves time taken for decorticating											
Total			10															

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Women empowerment : Nil

Farm implements and machinery : Nil

Other enterprises

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demonstration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra	Pioneer hybrid	25	10	16.57	12.49	32.66	10500	19056	8556	1.81
Maize	900M	25	10	58.50	50.10	16.76	18500	69924	51424	3.78
Total		50	20	75.07	62.59	49.42	29000	88980	59980	5.59
Oilseeds										
Sunflower	KBSH-53	25	10	9.93	8.37	18.63	13900	34755	20855	2.50
Total		25	10	9.93	8.37	18.63	13900	34755	20855	2.50
Commercial crops										
Others (Cotton)	Bt. Cotton Hybrid	25	10	18.04	16.30	10.67	19200	75768	56568	3.95
Total		25	10	18.04	16.30	10.67	19200	75768	56568	3.95

IV. Training Programme

Training for Farmers and Farm Women including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	1	20	-	20	05	-	05	25	-	25
Resource Conservation Technologies	4	125	-	125	25	-	25	150	-	150
Cropping Systems	1	25	-	25	-	-	-	25	-	25
Crop Diversification	2	-	-	-	35	5	40	35	5	40
Integrated Farming	2	40	10	50	25	5	30	70	10	80
Micro Irrigation/Irrigation	1	20	1	21	4	-	4	24	1	25
Seed production	4	150	15	165	30	5	35	180	20	200
Nursery management										
Integrated Crop Management	18	325	25	350	75	15	90	400	40	440
Soil and Water Conservation	2	50	-	50	-	-	-	50	-	50
Integrated Nutrient Management	2	35	5	40	10	-	10	45	5	50
Production of organic inputs	4	70	8	78	15	7	22	85	15	100
Horticulture										
a) Vegetable Crops										
b) Fruits										
Cultivation of Fruit	3	80	7	87	10	3	13	90	10	100
c) Ornamental Plants										
Soil Health and Fertility Management										
Soil fertility management	2	50	-	50	-	-	-	50	-	50
Integrated water management	1	13	2	15	7	3	10	20	5	25
Integrated nutrient management	2	12	3	15	8	2	10	20	5	50
Micro nutrient deficiency in crops	2	50	-	50	-	-	-	50	-	50
Soil and water testing	1	20	5	25	-	-	-	20	5	25
Livestock Production and Management										
Dairy Management	5	140	15	165	80	15	95	220	30	250
Poultry Management	4	150	15	165	30	5	30	180	20	200
Home Science/Women empowerment										

Value addition	3	15	45	60	5	15	20	20	60	80
Women empowerment	2	6	30	36	4	6	10	10	36	46
Plant Protection										
Integrated Pest Management	5	95	3	98	50	2	52	145	5	150
Bio-control of pests and diseases	1	20	-	20	5	-	5	25	-	25
Production of Inputs at site										
Vermi-compost production	4	125	10	135	50	15	65	175	25	200
Apiculture	1	14	-	14	4	2	6	18	2	20
TOTAL	77	1650	199	1859	477	105	577	2132	299	2456

**Training for Farmers and Farm Women including sponsored training programmes
(Off campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Integrated Farming	4	200	60	260	100	40	140	300	100	400
Nursery management										
Integrated Crop Management	24	800	40	840	95	25	120	895	65	960
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	1	310	8	318	80	2	82	390	10	400
b) Fruits										
Cultivation of Fruit	4	700	20	720	70	10	80	770	30	800
Soil Health and Fertility Management										
Soil fertility management	5	200	40	240	40	20	60	240	60	300
Integrated water management										
Integrated nutrient management	5	200	30	230	60	20	80	260	50	310
Micro nutrient deficiency in crops	8	300	35	335	50	15	65	350	50	400
Home Science/Women empowerment										
Value addition	2	-	27	27	-	13	13	-	40	40
Location specific drudgery production	3	6	17	23	4	5	9	10	22	32
Plant Protection										
Integrated Pest Management	15	600	20	620	125	5	130	725	25	750
Production of Inputs at site										
Seed Production	3	100	13	113	30	7	37	130	20	150
TOTAL	74	3416	310	3726	654	162	816	4070	472	4542

Training for Rural Youths including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated farming	1	22	1	23	6	1	7	28	2	30
Vermi-culture	3	80	6	86	30	04	34	110	10	120
TOTAL	4	102	7	109	36	5	41	138	12	150

Training for Rural Youths including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Vermi-culture	3	110	10	120	20	10	30	130	20	150
Value addition	2	-	47	47	-	13	13	-	60	60
Any other (Home science)	04	-	124	124	-	38	38	-	140	140
TOTAL	9	110	159	269	20	61	81	130	220	350

Training programmes for Extension Personnel including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Nutrient management	02	30	3	33	10	3	13	40	6	46
Total	02	30	3	33	10	3	13	40	6	46

Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	2	40	-	40	20	-	20	60	-	60
Total	2	40	-	40	20	-	20	60	-	60

Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Crop production and management										
1.a.	Increasing production and productivity of crops	2	40	-	40	20	-	20	60	-	60
2.a.	Fruit Plants	2	40	5	45	15	-	15	55	5	60
2.b.	Ornamental plants										
	Total	4	80	5	85	35	0	35	115	5	120

Details of Vocational Training Programmes carried out for rural youth

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Crop production and management										
1.e.	Organic farming	5	75	10	85	30	10	40	105	20	125
4.i.	Tailoring, stitching, embroidery, dying etc.	3	-	47	47	-	12	12	-	59	59
	Grand Total	8	75	57	132	30	22	52	105	79	184

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	300	300		600
Diagnostic visits	20			20
Field Day	10	935	10	955
Group discussions				0
Kisan Ghoshti	02	112	5	119
Film Show				0
Self -help groups				0
Kisan Mela				0
Exhibition	03	1000000		1000003
Scientists' visit to farmers field	50			50
Plant/animal health camps				0
Farm Science Club				0
Ex-trainees Sammelan				0
Farmers' seminar/workshop	01	80		81
Method Demonstrations	10	600	100	710
Celebration of important days	03			3
Special day celebration				0
Exposure visits	04			4
Others ()				600
Total	403	1002027	115	1002545

Details of other extension programmes

Particulars	Number
Electronic Media	
Extension Literature	10
News Letter	01
News paper coverage	10
Technical Articles	02
Technical Bulletins	02
Technical Reports	02
Radio Talks	10
TV Talks	02
Animal health amps (Number of animals treated)	01
Total	40

VI. PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Sorghum	M 35-1	25	125000	833
Oilseeds					
Pulses	Redgram	TS-3R	28	224000	560
	Bengalgram	JG-11	25	187500	100
Total			78	536500	1493

Production of Bio-Products : Nil

Production of livestock and related enterprise materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Poultry	Swarnadhara	1000	1,50,000	80
Total		1000	1,50,000	80

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2012-13

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	550	550	400	110000
Water	248	200	200	24800
Total	798	750	600	1,34,800

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted : 02	
Salient Recommendations	Action taken
01.08.2012	
Contact address of Agri implements should be in Kannada	Contact addresses of Dealers of Agriculture implements have been translated in Kannada and displayed in KVK website.
Number of soil & water sample testing should be increased	Number of soil and water samples for analysis have been increased. (from August, 2013 to Feb-2013) Soil Sample-462 Water Sample-126
Photos to be presented with date	Photos along with date have been taken and will be presented.
Supply of biodiesel plants through IFS	Bio-fuel saplings of pongamia have been distributed to the beneficiaries of IFS project.
Drudgery reducing chaff cutter to be identified	Improved chaff cutter for small farmers has been identified and proposed under frontline demonstrations for the year 2013-14. Its cost is Rs.8,000/-
Establishment of fodder bank at KVK, Bijapur	Proposal has been submitted to The Commissioner Department of Animal Husbandry and Veterinary Services Govt. of Karnataka Bangalore, Fodder banks have been established in farmers fields
Introduce customize spraying in pomegranate	Farmers themselves are carrying out spraying activities for pomegranate. Hence, instead of pomegranate, redgram has been selected for spraying activities on rent basis.
FLD's to be conducted through integrated approach	Frontline demonstrations have been carried out through integrated approach.
Develop market linkage to the value added products	Awareness and training programmes have been conducted on value addition to sorghum and bajra. Value added products have been prepared and marketed in Krishimela held at UAS, Dharwad and AC, Bijapur. An exhibition on value added products by successful entrepreneurs of Bijapur was also organized in the premises of AC, Bijapur.
Establishment of Poultry goat demonstration unit by utilizing existing infrastructure developed under RKVY project.	Poultry unit has been established. Goat unit will be established shortly
05.03.2013	
Programmes on value addition to be conducted for farmers.	Programmes on value addition will be conducted for farmers.
Technology on planting method of sugarcane saplings to be popularized among farmers. Introduction of new varieties of sugarcane developed at Sankeshwar centre to farmers.	New varieties of sugarcane developed at Sankeshwar centre will be popularized among the farmers

Awareness programmes on improving soil fertility and proper utilization of rain water to be conducted for farmers. Innovative farmers meet to be conducted.	Training programmes have been planned in the month of May-2013 for farmers of Five talukas under ATMA
Income generating activities for farmers related to agriculture such as goat rearing, poultry, dairy etc. should be given priority.	Trainings have been planned on income generating activities
Information to be given to AIR on new technologies that are useful to farmers.	Information is being given
Due to excessive use of water, farmers of Indi and Sindagi are facing the problems of land salinity. Hence proper training related to soil fertility to be given to farmers.	Training programmes have been planned in the month of May-2013 for farmers of Indi & Sindagi talukas under ATMA
Field days to be conducted without fail for all front line demonstrations. Further, the beneficiaries of the demonstrations should share their knowledge with other farmers. Farmers convention to be conducted.	Field days for all the FLD's will be Organized
Lessons / lectures conducted during FFS programme to be shared with AIR and Dooradarshan.	AIR and Dooradarshan representative will be invited for FFS programmes
Programmes on control of bacterial blight disease to be conducted in collaboration with Dr.V.I.Benagi.	Programmes on control of bacterial blight disease will be conducted with involvement of Dr.V.I.Benagi.Dean, AC, Hanumanmatti.
Awareness programme on benefits of backyard poultry to be conducted for farmers.	Awareness programme will be conducted.
Drudgery reducing equipment such as chaff cutter to be popularized among farmers.	Will be popularized
More programmes on moisture conservation technologies, labour saving technologies and new innovative technologies to be conducted.	Training programmes have been planned in the month of May-2013 for farmers of Five talukas under ATMA
Measures to be taken towards establishment of fodder bank.	It will be established ensuing kharif season
Proposal of ten lakhs submitted to the University regarding establishment of custom hiring centre.	Proposal will be submitted
Programmes on establishment of kitchen garden in every family and nutrient budgeting to be conducted.	It will be established ensuing kharif season in the KVK farm.
KVK news letter to be published regularly.	KVK news letter will be published regularly
Fish rearing (Aquaculture) to be started in the farm pond of KVK in collaboration with Veterinary University.	It will be established ensuing kharif season in the KVK farm.
KVK should help in conducting awareness programme on vaccination for mouth and foot disease in animals.	Vaccination programmes will be conducted

IX. NEWSLETTER

Number of issues of newsletter published : 01
April-2012 to September-2012

X. RESEARCH PAPER PUBLISHED

Number of research paper published : 02
1. Evaluation of acceptability of pearl millet flakes
2. Impact of drudgery reducing technologies on work efficiency and health security of farm women

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted				
No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
	Rain water harvesting activities could not be conducted due to less rainfall			

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